Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/01/2021 09:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123591	-2	1.25	123547	1.24
Blue	F	SSC	125000	123157	-2	2.42	123502	2.35
Blue	E	FITC	13131	12798	-3	2.33	296	15.68
Blue	D	PE	24112	23564	-3	1.77	542	10.90
Blue	B	PerCP-Cy5-5	31295	30284	-4	3.16	1004	14.30
Blue	A	PE-Cy7	19939	19612	-2	5.20	524	29.01
Red	C	APC	42122	41585	-2	2.83	1743	11.08
Red	A	APC-Cy7	22340	21713	-3	3.30	814	11.63
Violet	B	V450	7410	7004	-6	3.20	428	12.77
Violet	A	V500	28118	26482	-6	2.73	662	10.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22869	1.32	564	-5	N/A	N/A	Pass
Blue	F	SSC	57449	1.13	516	4	N/A	N/A	Pass
Blue	E	FITC	55	57.02	484	-3	0.0448	279	Pass
Blue	D	PE	115	38.44	486	-2	0.4515	411	Pass
Blue	B	PerCP-Cy5-5	188	34.82	581	-5	0.0206	52	Pass
Blue	A	PE-Cy7	105	68.12	624	-4	0.0223	3	Pass
Red	C	APC	404	23.88	577	1	0.0305	270	Pass
Red	A	APC-Cy7	181	27.05	551	0	0.0062	808	Pass
Violet	B	V450	60	65.89	452	-1	0.0587	2483	Pass
Violet	A	V500	96	36.20	463	-2	0.0246	1026	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.80	-31.40	1.12
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.42
Red	15.04	13.60 - 20.40	N/A	N/A	29.60	29.96	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9625

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments